

U.S.S.N 10/099,700
Madison et al.
PRELIMINARY AMENDMENT

a62 Example, and comparing IC₅₀ value for matriptase to that determined for all or some of the following serine proteases: thrombin, recombinant tissue plasminogen activator (rt-PA), plasmin, activated protein C, chymotrypsin, factor Xa and trypsin.

In the Claims:

Please replace claims 13, 23, 79, 109, 112 and 115 with the following claims (a marked-up copy of the amended specification is attached to this Amendment):

a63 13. (Amended) The polypeptide of claim 12, wherein the domain is the protease domain.

a64 23. (Amended) An isolated nucleic acid molecule that encodes a mutein of claim 15.

79. (Amended) A method for identifying activators of the zymogen form of an MTSP7, comprising:

contacting a zymogen form of the polypeptide of claim 1 with a substrate of the activated form of the polypeptide;

a65 adding a test compound, wherein the test compound is added before, after or simultaneously with the addition of the substrate; and

detecting cleavage of the substrate, thereby identifying compounds that activate the zymogen.

a66 109. (Amended) The method of claim 108, wherein the tumor is a tumor of the breast, cervix, prostate, lung, ovary or colon.

a67 112. (Amended) The method of claim 111, wherein the tumor is a tumor of the breast, cervix, prostate, lung, ovary or colon.

a68 115. (Amended) The method of claim 114, wherein the tumor is a tumor of the breast, cervix, prostate, lung, ovary or colon.

REMARKS

Any fees that may be due in connection with this application throughout its pendency may be charged to Deposit Account No. 50-1213.